Summary of Plasma-Edge/PMI modeling presentations (Session 3)

- **Z. Insepov: MD He+ sputtering on lithium from 50 K to 700 K**
  - Sputtering of He+ from 10-1000 eV shows BSY model lower bound
  - Temperature enhancement in PISCES, UIUC not in simple model
  - He bubble formation/eruption may explain temp. enhancement; MD sample size must be large enough; surface pre-heating may be key
- **L. Zepeda: MD carbon sputtering and plasma modeling**
  - Amorphous C-H MD samples prepared via melting/quenching
  - ARIEBO/REBO simulations compare well with Mech '98, E > 100 eV; Yield lower than Mech for E < 100 eV; need long-time effects
  - DIIID-D edge modeling sensitive to factors ~2 variation in C yield
- **T. Evans: Kinetic ion impurity modeling with MCI**
  - Improved mesh for edge region (pedestal, SOL, divertor)
  - Lastest Li and Be (for ITER) rates from ADAS - important at low T_e
  - DIII-D edge modeling for DiMES plasma shows strong sensitivity of carbon to background plasma model